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Intern: Application No PCT/IB2004/052920

a. classification of subject matter IPC 7 G02F1/1335 G02B5/02 According to International Patent Classification (IPC) or to both national classification and IPC Minimum documentation searched (classification system followed by classification symbols) IPC 7 G02B GO2F Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category ' 1-21 WO 03/046650 A (KONINKLIJKE PHILIPS χ ELECTRONICS N.V; SUMI, NAOKI) 5 June 2003 (2003-06-05) figures 1-14 page 5, line 18 - page 9, line 32 US 6 452 653 B1 (YAMANAKA YASUHIKO ET AL) 1 - 21X 17 September 2002 (2002-09-17) figures 1-8 column 4, line 19 - line 44 column 18, line 28 - column 23, line 48 1,13 US 2003/142247 A1 (NISHIYAMA SEIJI ET AL) X 31 July 2003 (2003-07-31) paragraph '0029! - paragraph '0037! Patent family members are listed in annex. Further documents are listed in the continuation of box C. "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. document referring to an oral disclosure, use, exhibition or document published prior to the international filling date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 18/04/2005 12 April 2005 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016 Windecker, R

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Intern_____ Application No
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